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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/349,380	07/09/1999	JOHN P. JASPER		6566
LUNDY AND ASSOCIATES 825 ANTHONY WAYNE BUILDING			EXAMINER	
			SIEFKE, SAMUEL P	
203 E BERRY STREET FORT WAYNE, IN 46802		•	ART UNIT	PAPER NUMBER
			1743	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MO	NTHS	03/16/2007	PAPER	

# Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXI WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS CC Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, how after SIX (6) MONTHS from the mailing date of this communication.  If NO period for reply is specified above, the maximum statutory period will apply and will expire Failure to reply within the set or extended period for reply will, by statute, cause the application to Any reply received by the Office later than three months after the mailing date of this communication are reply received by the Office later than three months after the mailing date of this communication are patent term adjustment. See 37 CFR 1.704(b).  Status  1) Responsive to communication(s) filled on 24 November 2006.  2a) This action is FINAL.  2b) This action is non-fined some accordance with the practice under Ex parte Quayle,  Disposition of Claims  4) Claim(s) 123-154 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consider by Claim(s) is/are allowed.  6) Claim(s) 123-154 is/are rejected.  7) Claim(s) is/are objected to.  8) Claim(s) 123-154 is/are rejected to.  Claim(s) 123-154 is/are rejected to by the Examiner.  Application Papers  9) The specification is objected to by the Examiner.  10 Hord arwing(s) filed on 15 is/are: a) accepted or b) objected to by the Examiner.	sheet with the correspondence addre	
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application from the International Bureau (PCT Rule 17.2  * See the attached detailed Office action for a list of the certified co	ved. ved in Application No ve been received in this National Sta a)).	age
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 5)	nterview Summary (PTO-413) Paper No(s)/Mail Date Notice of Informal Patent Application Other:	

Application/Control Number: 09/349,380

Art Unit: 1743

### **DETAILED ACTION**

#### **Status**

Claims 1-122 have been cancelled and claims 123-154 are new.

## Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 123-154 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. An "empirical" isotopic data as seen in claim 123, 130 and 131, is not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor had possession of the claimed invention. Further, a "tangible medium of expression" is not described in the specification as seen in claim 123, 130, 133 and 137. A "source" as seen in claims 123, 124 130, 131, 132, 133 and 134 is not described in the specification. Is a source the product or the initial element that contains the isotope of interest, etc.? In claim 139, where is 252 existing stable isotopes of known elements described in the specification?

Application/Control Number: 09/349,380 Page 3

Art Unit: 1743

#### Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samuel P. Siefke whose telephone number is 571-272-1262. The examiner can normally be reached on M-F 7:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill A. Warden can be reached on 571-272-1700. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Sam P\_Siefke

March 13, 2007

Supervisory Patent Examiner Technology Center 1700